



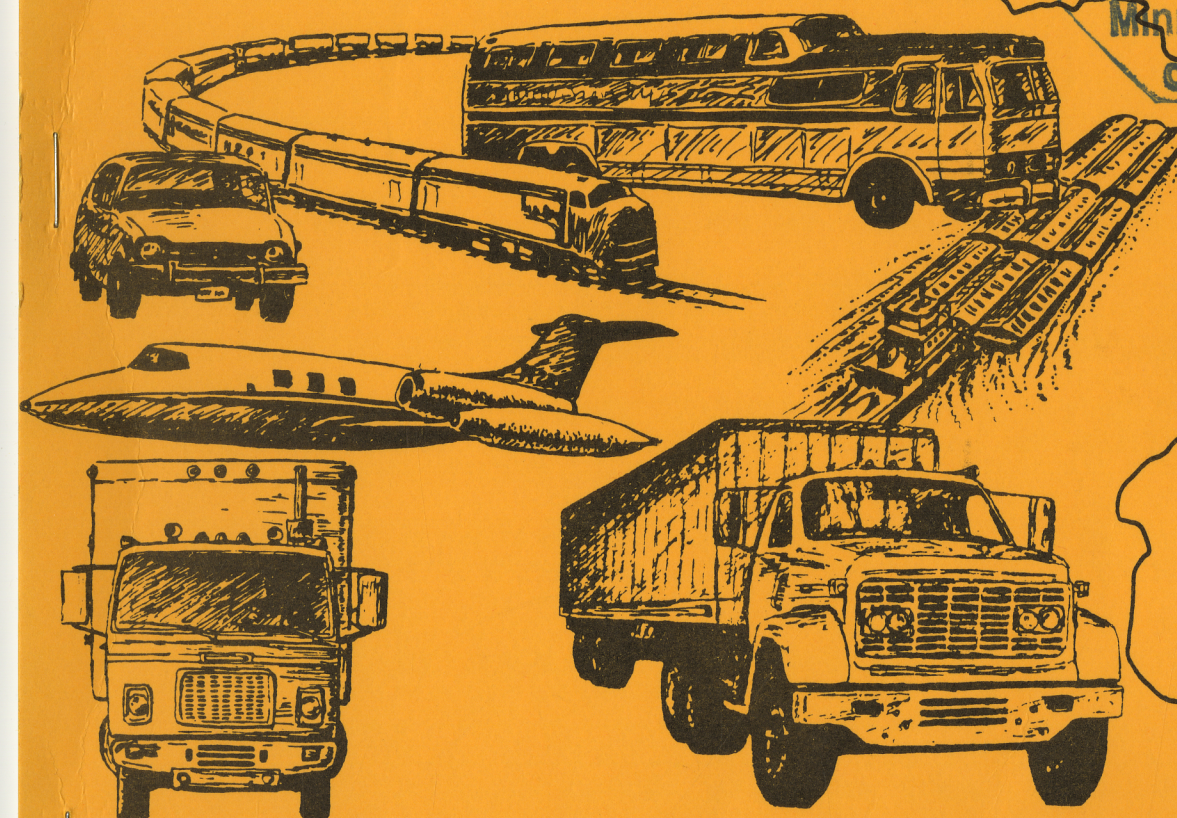
Transportation Analysis

TA-M334

Ed W. Schmidt, P.E.
Planning and Programming
St. Louis County
Department of Transportation

CSAH 10 FROM TH494 TO CSAH18

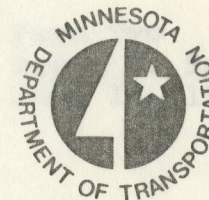
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PREPARED BY
THE MINNESOTA DEPARTMENT OF TRANSPORTATION
PROGRAM MANAGEMENT DIVISION
TRAFFIC AND COMMODITIES SECTION





Minnesota Department of Transportation

Transportation Building, St. Paul, MN 55155

June 14, 1985

Phone 296-0217

David W. Schmidt, P.E.
Planning and Programming
Hennepin County
Department of Transportation
320 Washington Avenue South
Hopkins, Minnesota 55343

Dear Mr. Schmidt:

This report is in response to your letter of November 26, 1984 requesting forecasted year 2010 traffic volumes on various routes in Hennepin County.

Projected year 2010 Average Weekday Traffic (AWDT), peak hour volumes, Heavy Commercial AWDT (HCAWDT) and turning movements are attached for CSAH 10.

Volumes shown are based on the following data sources:

1. The latest Metropolitan Council year 2000 computer traffic assignments of AWDT, peak hour volumes and HCAWDT assigned to the future year 2000 road network (2000B/F2000).
2. Mn/DOT "current" and historical counts of Average Daily Traffic (ADT), peak hour volumes, and Heavy Commercial ADT (HCAWT).
3. "Current" turning movement volumes at various intersections/interchanges taken by Hennepin County staff and Mn/DOT Forecasts Unit staff.
4. Field trips to the project area.
5. Local socio-economic data prepared by the Metropolitan Council for the years 1980 and 2000 along with estimates for the year 2010 (estimates from: Forecasts for Determining Facility Size by the Metropolitan Council, April 1985).



June 14, 1985

Phone 297-0217

David W. Schmidt, P.E.
Planning and Programming
Hennepin County
Department of Transportation
320 Washington Avenue South
Hopkins, Minnesota 55343

Dear Mr. Schmidt:

This report is in response to your letter of November 16, 1984 requesting forecasted year 2010 traffic volumes on various routes in Hennepin County.

Projected year 2010 Average Weekday Traffic (AWDT), peak hour volumes, Heavy Commercial AWDT (HCADT) and turning movements are attached for CSAH 10.

Volumes shown are based on the following data sources:

1. The latest Metropolitan Council year 2000 computer traffic assignments of AWDT, peak hour volumes and HCADT assigned to the future year 2000 road network (2000/T2000).
2. Mn/DOT "current" and historical counts of Average Daily Traffic (ADT), peak hour volumes, and Heavy Commercial ADT (HCADT).
3. "Current" turning movement volumes at various intersections/interchanges taken by Hennepin County staff and Mn/DOT Forecasts Unit staff.
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An Equal Opportunity Employer

Page Two
David W. Schmidt
June 14, 1985

In addition, we extracted a window of the project area from our regional network. By using the microcomputer software package Interactive Routing Assignment Process (IRAP), we were able to obtain a better project level forecast than the regional network provides. IRAP allows us to divide the zones into smaller areas and use multipath trip assignments for our zonal vehicular trip interchanges.

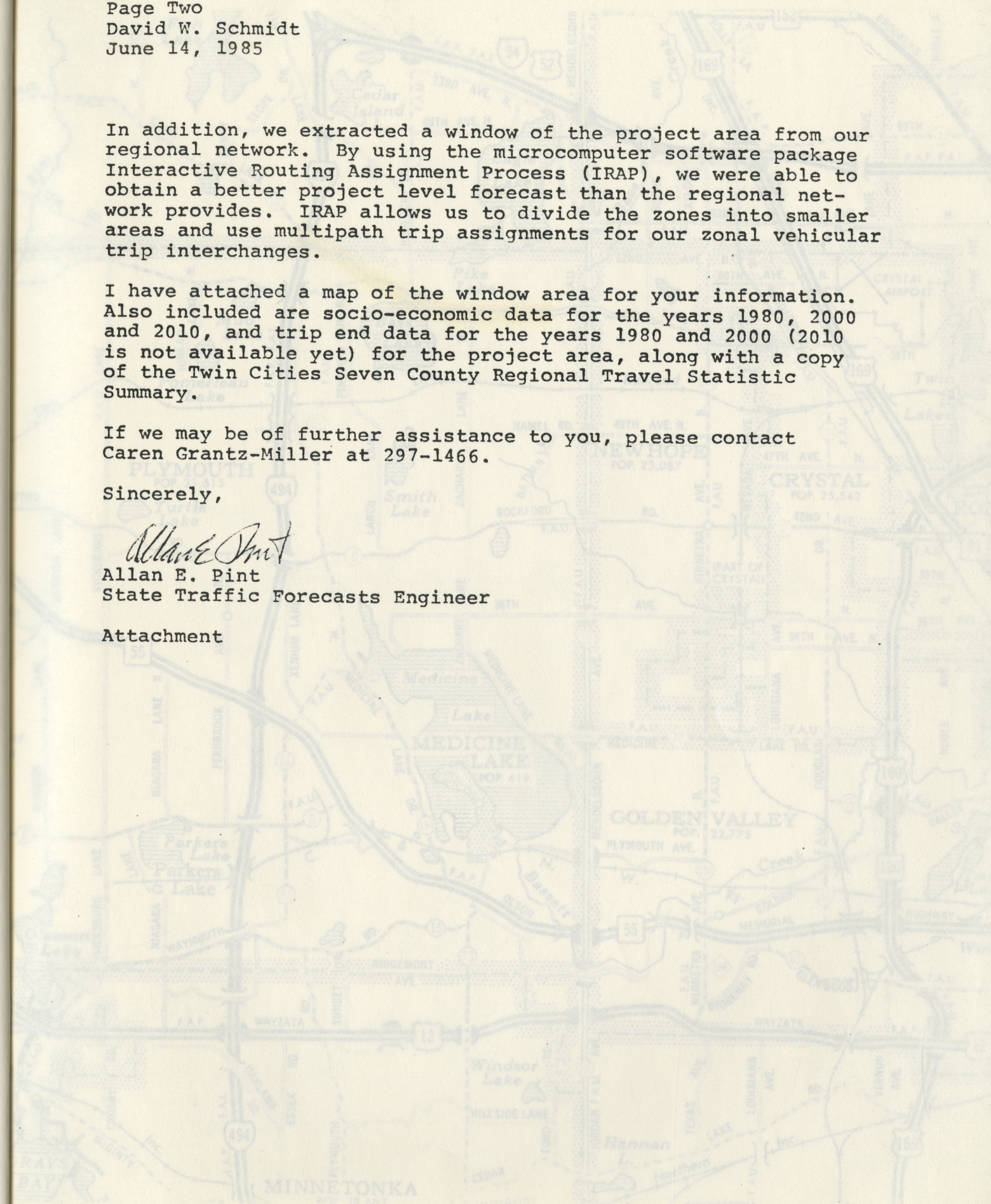
I have attached a map of the window area for your information. Also included are socio-economic data for the years 1980, 2000 and 2010, and trip end data for the years 1980 and 2000 (2010 is not available yet) for the project area, along with a copy of the Twin Cities Seven County Regional Travel Statistic Summary.

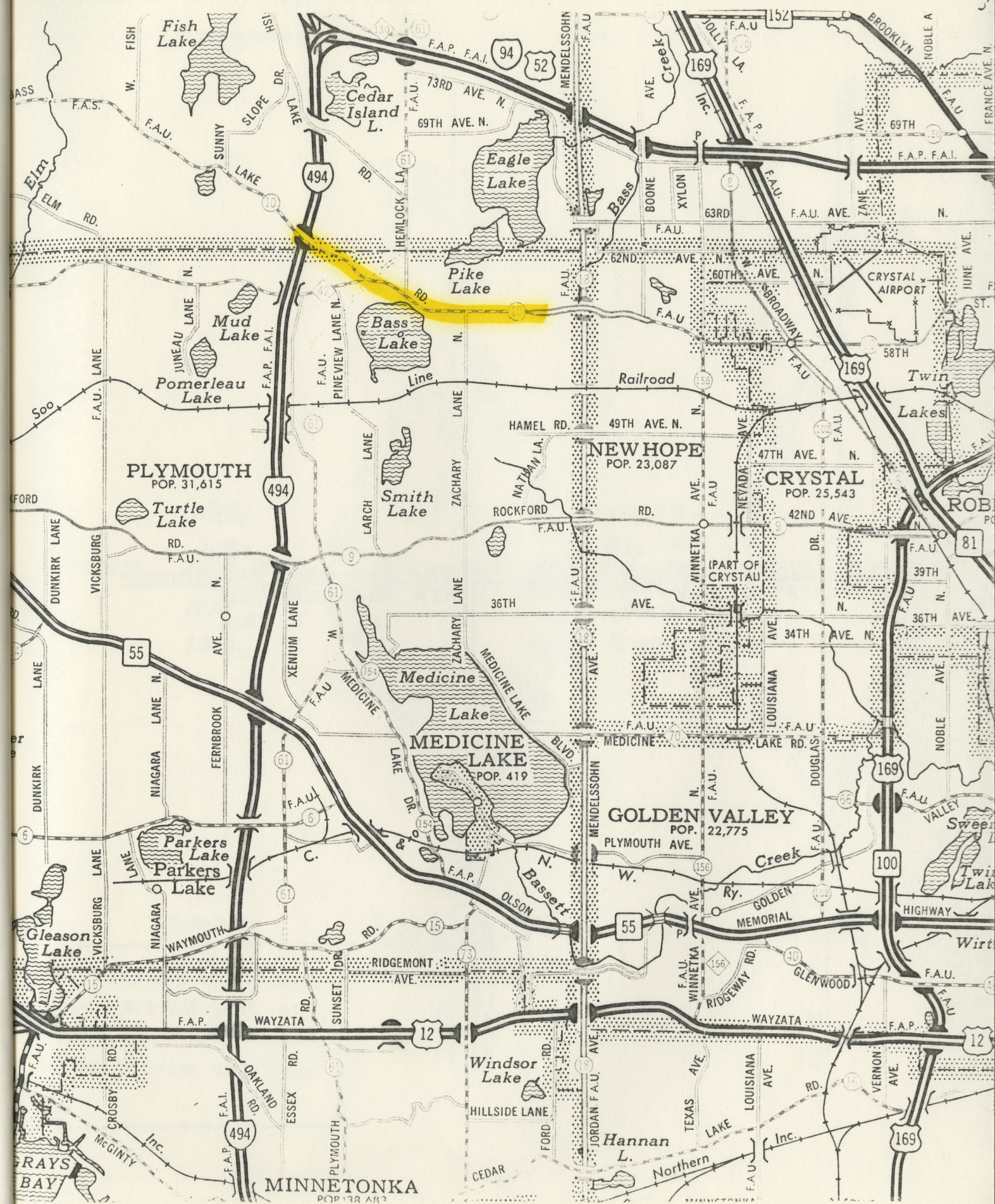
If we may be of further assistance to you, please contact Caren Gramtz-Miller at 297-1466.

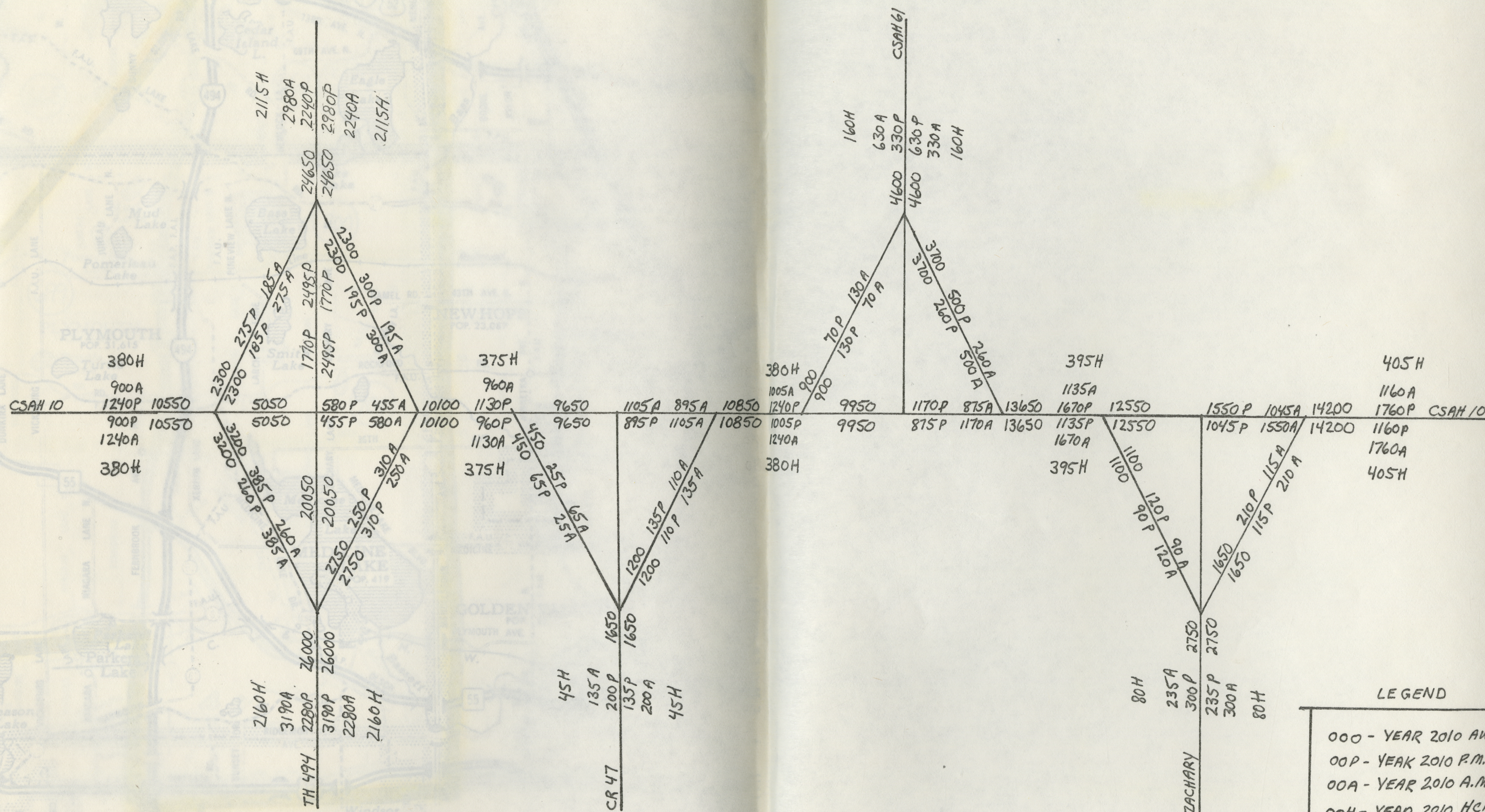
Sincerely,

Allan E. Pint
Allan E. Pint
State Traffic Forecasts Engineer

Attachment



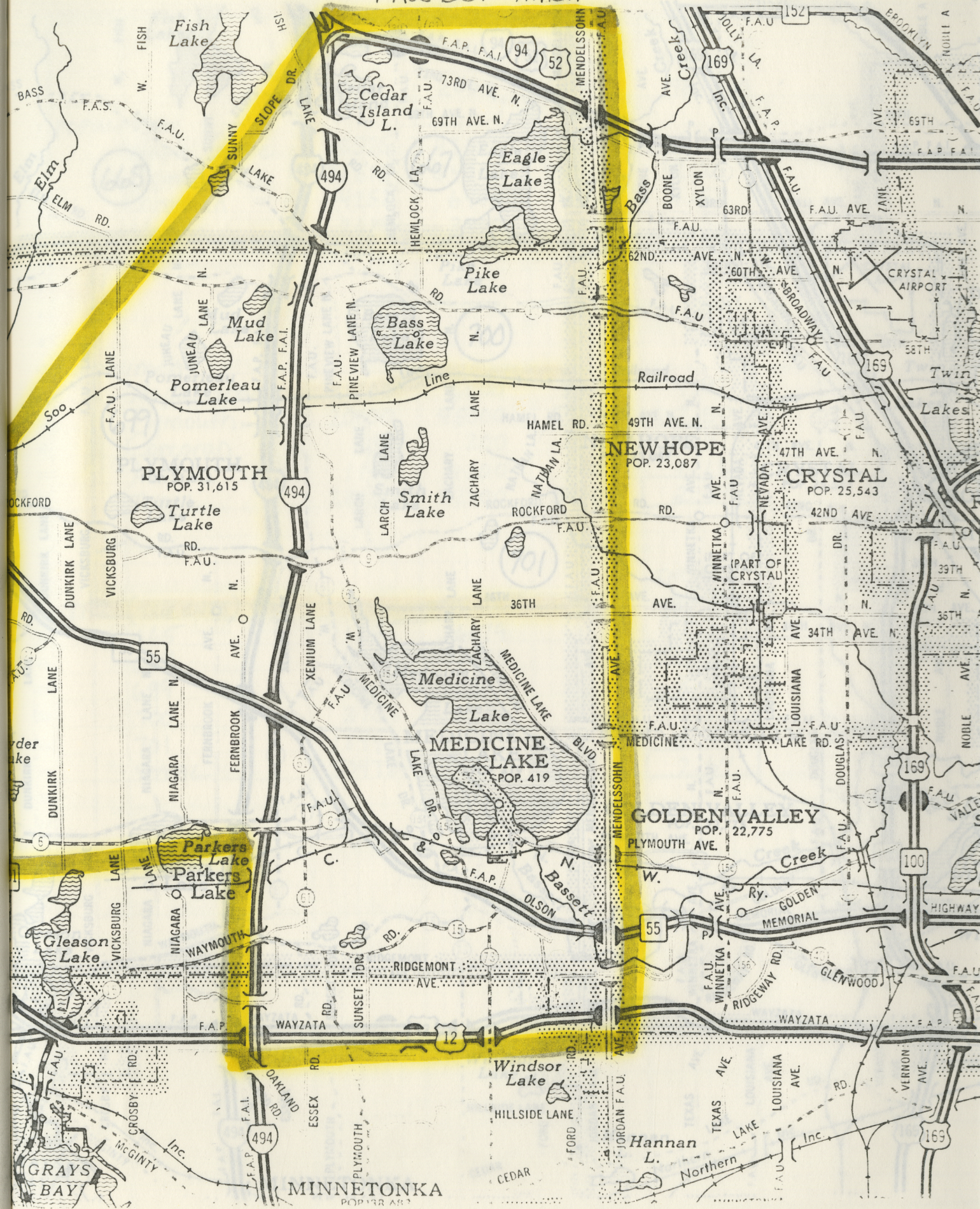




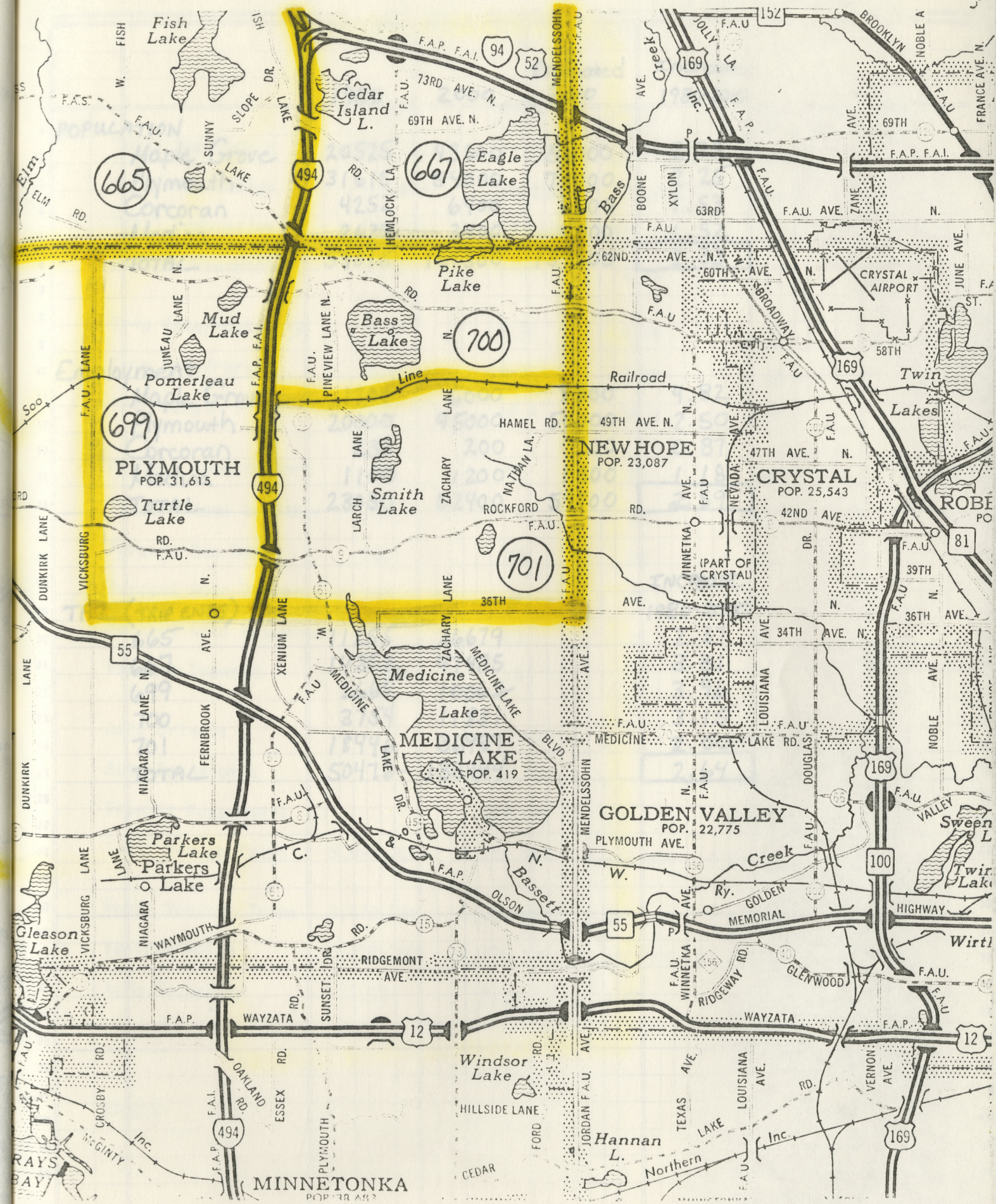
CSAH 10 from TH 494 to CSAH 18

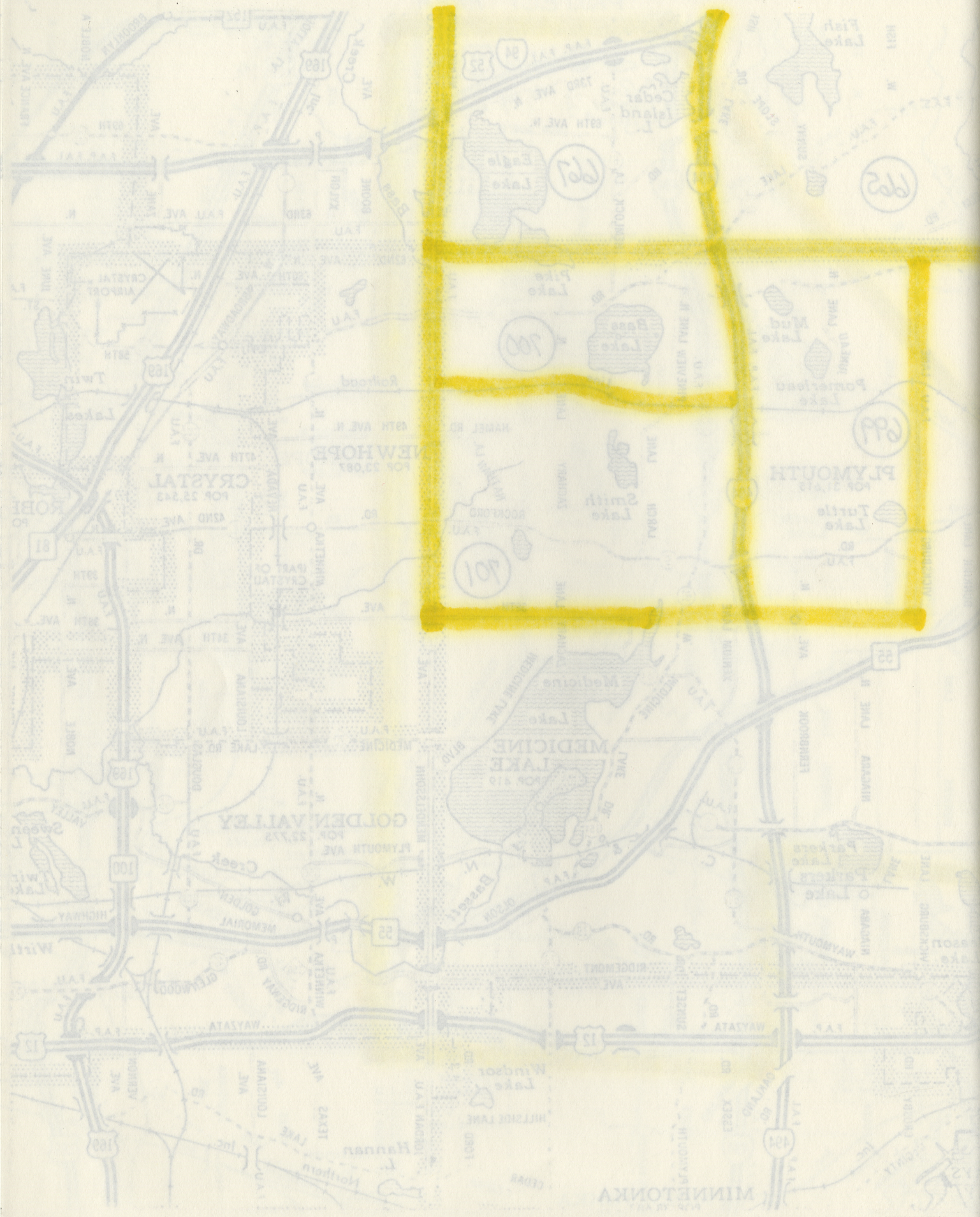
TA-M334

IRAP WINDOW OF THE
PROJECT AREA



REGIONAL NETWORK TRAFFIC ANALYSIS ZONE (TAZ) BOUNDARY MAP





METROPOLITAN COUNCIL SOCIOECONOMIC DATA & PLANPAZ FORECAST

	1980	2000	Estimated 2010	Increase 1980-2010
POPULATION				
Maple Grove	20525	43500	56000	2.73
Plymouth	31615	54000	71000	2.25
Corcoran	4252	6400	6500	1.53
Medina	2623	3400	4000	1.52
TOTAL	59015	107300	137500	2.33
Employment				
Maple Grove	1700	6000	8200	4.82
Plymouth	20000	45000	50000	2.50
Corcoran	230	200	200	0.87
Medina	1100	1200	1300	1.18
TOTAL	23030	52400	59700	2.59
TAZ (TRIP ENDS)				
665	11255	26679		2.37
667	14352	47435		3.31
699	2665	10562		3.96
700	3754	11831		3.15
701	18446	36937		2.00
TOTAL	50472	133444		2.64
INCREASE 1980-2000				
Total Person Trips	5,095,800	6,751,924	8,547,000	2.25
Motor Vehicle Trips	3,570,000	4,074,000	4,240,000	1.18
Vehicle Miles	23,828,700	34,774,106	47,342,000	1.98
Auto Occupancy	1.50	1.34	1.34	0.90

POPULATION	1980	2000	Estimated 2010	1980-2010 Increase
Total	25018	107300	121200	2.33
Medina	2523	3400	4000	1.25
Corcoran	4252	6400	6200	1.23
Plymouth	31612	40000	41000	2.22
Maple Grove	20522	43200	26000	2.73

EMPLOYMENT	1980	2000	Estimated 2010	1980-2010 Increase
Total	28030	25400	28700	2.29
Medina	1100	1200	1300	1.18
Corcoran	230	200	200	0.87
Plymouth	20000	45000	20000	2.50
Maple Grove	1700	6000	8200	4.82

TRAVEL (TRIP END)	1980	2000	Estimated 2010	1980-2010 Increase
Total	107	1844	13344	44.5
Medina	100	1844	1844	3.12
Corcoran	100	1844	1844	3.12
Plymouth	100	1844	1844	3.12
Maple Grove	100	1844	1844	3.12

REGIONAL TRAVEL STATISTIC SUMMARY

	1970	1980R	2000	2000B	Pct Chg 1980R-2000B
Total Employment	853,300	1,037,760	1,349,800	1,400,000	35
Total Households	573,800	750,128	934,000	910,000	21
Total Population	1,874,600	1,985,860	2,469,000	2,260,000	14
Persons/Household	3.27	2.65	2.64	2.48	- 6
Trip Rate/Household	8.89	8.93	8.98	8.93	0
Trip Rate/Person	2.72	3.37	3.40	3.60	6
Trip Length (Min)	17.1	14.4	14.9	14.9	3
Percent Home to Work	23	22	21	19	
Percent Home to Other	55	4	59	53	
Percent Non Home	21	28	20	28	
Percent Auto Driver	66	75	59	74	
Percent Auto Passenger	31	21	35	22	
Percent Transit	3	4	5	4	
Auto Drivers		5,083,937		6,060,952	19
Auto Passengers		1,418,780		1,796,663	27
Transit Passengers		249,207		278,385	12
Total Person Trips	5,095,000	6,751,924	8,547,000	8,136,000	20
Motor Vehicle Trips	3,570,000	5,024,570	5,985,200	6,142,553	22
Vehicle Miles	23,828,700	34,776,186	39,362,000	47,144,495	36
Auto Occupancy	1.50	1.34	1.59	1.30	2

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